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(71) Applicant (for all designated States except US): WODA-PURE PTY LTD [AU/AU]; Tok H Corporate Centre, Level 1, 459 Toorak Road, Toorak, VIC 3142 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): EVERTON, Michael [AU/AU]; Tok H Corporate Centre, Level 1, 459 Toorak Road, Toorak, Victoria 3142 (AU).

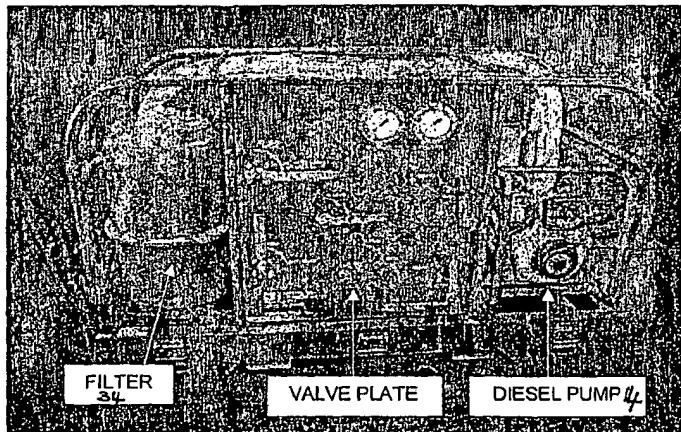
(74) Agent: GRIFFITH HACK; Level 3, 509 St Kilda Road, St Kilda, Victoria 3004 (AU).

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(54) Title: WATER PURIFICATION PLANT



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(57) Abstract: A water purification unit is described having a number of sub-assemblies arranged in a more or less modular arrangement including a compression unit and a sterilization unit. The water purification unit is operated at a throughput rate less than the maximum throughput rate so that the flow rate of raw water being treated by the water purification unit is as at a predetermined in order to reduce the effects of blinding of the filter. The sterilization rate is calculated in accordance with the predetermined first flow rate so that the dosage rate of sterilization agent remains substantially constant thereby avoiding fluctuations in the dosage rate so that the treated water has an amount of sterilizing agent within a predetermined range.